

Figure 1: An Example of Parallel Sensitivity Computation through Derivative Stripmining

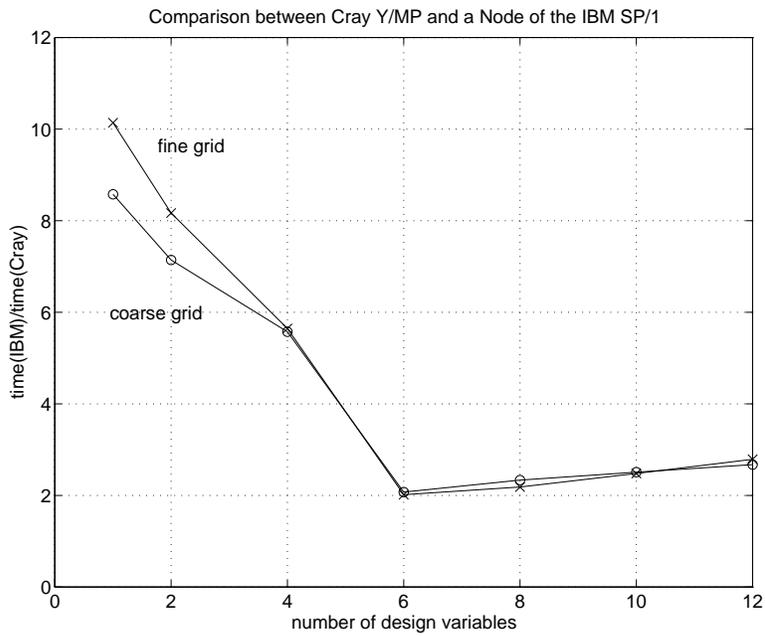


Figure 2: Cray vs. IBM Performance.

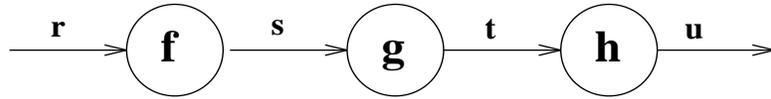


Figure 3: A Sequence of Simulation Modules

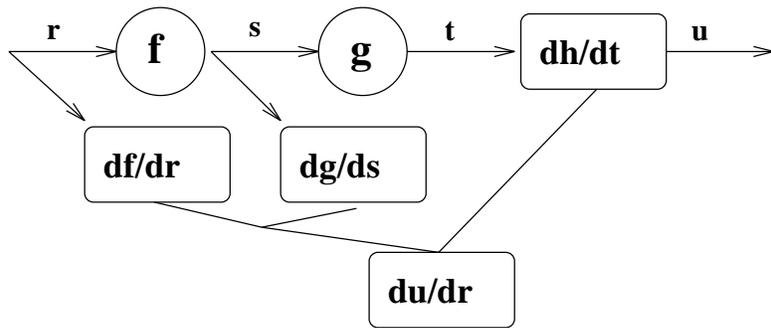


Figure 4: Exploiting Chain Rule Associativity to Break Dependencies